

In the Claims:

1. (currently amended) A color cathode-ray tube having a glass faceplate on which is deposited a screen of luminescent materials, a color-selection mask arranged close to the screen, a frame to which the mask is fixed and which holds it under tension along a tension direction, said frame being of a substantially rectangular shape defined by a pair of opposed long sides and a pair of likewise opposed short sides, at least two sides each include an edge in the form of a metal part substantially parallel to the surface of the mask, the mask/frame assembly being held within the faceplate by support means engaging pins fixed to the faceplate, the support means, comprising:

a metal piece including a first portion secured by welding to the metal part, said first portion attached opposite a surface of the mask and extending in a direction parallel to the tension direction of the mask, and a second portion extending in a direction substantially perpendicular to the first portion for securing the frame to the glass faceplate, said metal ~~piece~~ part and said support means having coefficients of thermal expansion that cause the sides having the first portion to deform when heated such that ends of the sides not having the first portion approach each other to reduce the tension in the mask during heating.

2. (previously amended) The cathode-ray tube as defined in claim 1, wherein the first portion is arranged at an end of the frame.

3. (original) The cathode-ray tube as defined in claim 1, wherein the mask is held under tension between the long sides of the frame.

4. (original) The cathode-ray tube as defined in claim 3, wherein the sides including an edge in the form of a metal part substantially parallel to the surface of the mask are the short sides of the frame.

5. (original) The cathode-ray tube as defined in claim 1, wherein the coefficients of thermal expansion of the materials constituting the frame and the support means are different.

6. (original) The cathode-ray tube as defined in claim 5, wherein the coefficients of thermal expansion of the metal piece of the support means is higher than that of the edges of the frame onto which it is welded.

7. (cancelled)

8. (previously amended) The cathode-ray tube as defined in claim 1, which includes four support means each incorporating a metal piece.

9. (previously added) The cathode-ray tube as defined in claim 1, wherein two opposing sides of the frame each have two supporting means attached thereto, the first portions of the supporting means covering about forty percent of each of the sides of the frame.

10. (previously added) The cathode-ray tube as defined in claim 1, wherein the frame is of one-piece construction such that the entire frame expands and contracts as one unit during heating.